

**REMARKS/ARGUMENTS**

This Amendment is being filed in response to the Office Action dated January 30, 2009. Reconsideration and allowance of the application in view of the amendments made above and the remarks to follow are respectfully requested.

Claims 1-8 are pending in the Application. Claims 7-8 are added by this amendment.

In the Office Action, claims 1 and 6 are rejected under 35 U.S.C. §112, second paragraph. Further, claim 6 is rejected under 35 U.S.C. §101. Without agreeing with the position forwarded in the Office Action and in the interest of advancing prosecution, claims 1 and 6 are amended to address the issues noted in the Office Action. It is respectfully submitted that the rejection of claims 1 and 6 is addressed by the amendment to the claims and accordingly, withdrawal of the rejection under 35 U.S.C. §112, second paragraph of claims 1 and 6 and withdrawal of the rejection of claim 6 under 35 U.S.C. §101 is respectfully requested.

In the Office Action, claims 1-3 and 6 are rejected under 35 U.S.C. §103(a) over "Trade-Offs In The Design Of A Router With Both Guaranteed And Best-Effort Services For Networks On Chip" by Rijpkema ("Rijpkema") in view of U.S. Patent No. 6,711,357 to

Brewer ("Brewer"). Claim 4 is rejected under 35 U.S.C. §103(a) as allegedly unpatentable over Rijpkemain in view of Brewer in further view of U.S. Patent Publication No. 2009/0010152 to Ofek ("Ofek") in further view of U.S. Patent No. 6,831,922 to Shimada ("Shimada"). Claim 5 is rejected under 35 U.S.C. §103(a) as allegedly unpatentable over Rijpkemain in view of Brewer in further view of U.S. Patent No. 5,046,000 to Hsu ("Hsu").

It is respectfully submitted that claims 1-8 are allowable over Rijpkema in view of Brewer alone and in any combination of Ofek, Shimada and Hsu for at least the following reasons.

It is undisputed that "Rijpkema does not teach wherein the switch is arranged to receive input from each of the plurality of queues simultaneously." (See, Office Action, page 6.) Brewer is relied on to supply that which is admitted missing from Rijpkema, however, it is respectfully submitted that reliance on Brewer is misplaced.

Brewer is clear that (emphasis added) "chunk frames arrive with start of frame occurring at slightly different times". For each received chunk frame the information frame is placed in input queues 601-1 through 601-N, and concurrently SOF detect blocks 602-1 through 602-N process the incoming information to determine when

start of frame occurs. The start of frame of all 5 SOF detect blocks is then sent on to a SOF delay module 603 to generate an internal start of frame, that is used to extract information frames from input queues 601-1 through 601-N ..." FIG. 7 is clear that as discussed regarding FIG> 6 above, chunk data arrives at slightly different times.

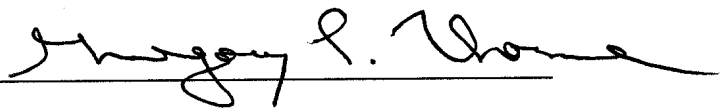
It is respectfully submitted that the integrated circuit of claim 1 is not anticipated or made obvious by the teachings of Rijpkema in view of Brewer. For example, Rijpkema in view of Brwer does not disclose or suggest, an integrated circuit that amongst other patentable elements, comprises (illustrative emphasis added) "at least one of the routers comprising a plurality of input ports arranged to receive input data corresponding to at least two traffic classes, the routers further comprising a plurality of queues, wherein each queue of the plurality of queues is arranged to store input data corresponding to a single traffic class, wherein the input ports are coupled to at least two of the queues, the routers further comprising a switch, wherein the switch is arranged to receive input from each queue of the plurality of queues simultaneously" as recited in claim 1, and as similarly recited in claim 6.

Based on the foregoing, the Applicants respectfully submit that independent claims 1 and 6 are patentable over Rijpkema in view of Brewer and notice to this effect is earnestly solicited. Claims 2-5 and 7-8 respectively depend from one of claims 1 and 6 and accordingly are allowable for at least this reason as well as for the separately patentable elements contained in each of the claims. Accordingly, separate consideration of each of the dependent claims is respectfully requested.

In addition, Applicants deny any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. Any rejections and/or points of argument not addressed would appear to be moot in view of the presented remarks. However, the Applicants reserve the right to submit further arguments in support of the above stated position, should that become necessary. No arguments are waived and none of the Examiner's statements are conceded.

Applicants have made a diligent and sincere effort to place this application in condition for immediate allowance and notice to this effect is earnestly solicited.

Respectfully submitted,

By 

Gregory L. Thorne, Reg. 39,398  
Attorney for Applicant(s)  
April 28, 2009

**THORNE & HALAJIAN, LLP**  
Applied Technology Center  
111 West Main Street  
Bay Shore, NY 11706  
Tel: (631) 665-5139  
Fax: (631) 665-5101